

Spring 2022 EE214 Project Work

Preliminary Work

Ahmet Akman 2442366
Yusuf Toprak Yıldiran 2444149
Assistant: Onur Selim Kılıç

May 7, 2022

Contents

1	Introduction	1
2	Experimental Results and Discussion	1
2.1	Step 1	1
3	Conclusion	1

1 Introduction

In this experiment, transformers and MATLAB workshop, we are required to get used to plotting with MATLAB and experimented with different transformer setups. First, we are expected to observe the step-down property of the transformer. Then, the behavior of the transformer with a resistive load is expected to have experimented with different frequencies. The transformer's characteristics are needed to be formulated with an equivalent circuit. Lastly, the advantage of the impedance matching circuit setup is requested to be observed.

2 Experimental Results and Discussion

The results of the experiment are discussed in the following steps.

2.1 Step 1

3 Conclusion

Appendix A